

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 02/26/04

Date Received: 02/19/04

Project: % of Acid, PO# M103607, F&BI 402169

Date Analyzed: 02/23/04

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES  
FOR SPECIFIC GRAVITY  
@ 15.56 °C**

**Sample ID**

Laboratory ID

**Specific Gravity**

**M-103607A**

402169-01

**1.29**

**M-103607B**

402169-02

**1.31**

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FOR PERCENT OF ACID**

**Sample ID**

Laboratory ID

**Percent of Acid**

**M-103607A**

402169-01

**12**

**M-103607B**

402169-02

**11**

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**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLE  
FOR FINGERPRINT CHARACTERIZATION  
BY INDUCTIVELY COUPLED PLASMA (ICP)  
EMISSION SPECTROSCOPY**

**Samples Processed Using Method 3005A**

The Metals Were Found at Approximate Levels Indicated

Results Reported as mg/L (ppm)

Sample ID: M-103607A

Laboratory ID: 402169-01

Copper            3,000 ppm

Iron              52,000 ppm

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**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLE  
FOR FINGERPRINT CHARACTERIZATION  
BY INDUCTIVELY COUPLED PLASMA (ICP)  
EMISSION SPECTROSCOPY**

**Samples Processed Using Method 3005A**

The Metals Were Found at Approximate Levels Indicated

Results Reported as mg/L (ppm)

Sample ID: M-103607B

Laboratory ID: 402169-02

Copper 34,000 ppm

Iron 33,000 ppm



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Project: % of Acid, PO# M103607, F&BI 402169

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF AQUEOUS SAMPLES  
FOR SPECIFIC GRAVITY  
@ 15.56 °C**

Laboratory Code: 402169-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Specific Gravity	1.31	1.31	0	0-2

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Project: % of Acid, PO# M103607, F&BI 402169

**QUALITY ASSURANCE RESULTS  
FROM ANALYSIS FOR PERCENT OF ACID**

Laboratory Code: 402169-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Percent of Acid	11	11	0	0-20

402169

## SAMPLE CHAIN OF CUSTODY

CM 02-19-04

BT,

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLER'S (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # \_\_\_\_\_ of \_\_\_\_\_

## TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH made

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	% of H <sub>2</sub> O <sub>3</sub>	Spec. Gravity	FE	PCU	
M-103607 A	01	2/19/04	11:00	H <sub>2</sub> O <sub>3</sub>	1							XX	X			
M-103607 B	02	2/19/04	11:00	H <sub>2</sub> O <sub>3</sub>	1							XX	X			



Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\QOC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	G. Thompson	A.C.W	2/19/04	1:04pm
Received by: 	Nhan Phan	FBI	2/19/04	1:10pm
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

February 26, 2004

DUPLICATE COPY

INVOICE # 04ACU0226-1

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project % of Acid, PO# M103607, F&BI 402169 - Results of testing requested  
by Gerry Thompson for material submitted on February 19, 2004.

2 samples analyzed for Specific Gravity @ \$25 per sample	\$ 50.00
2 samples analyzed for Percent Acid Content @ \$50 per sample	100.00
2 samples analyzed for Total Iron and Copper by Method 6010B @ \$60 per sample	<u>120.00</u>
Amount Due .....	\$ 270.00

FEDERAL TAX ID # (b) (6)



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e-mail: fbi@isomedia.com

February 26, 2004

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

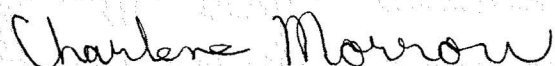
Dear Mr. Thompson:

Included are the results from the testing of material submitted on February 19, 2004 from the % of Acid, PO# M103607, F&BI 402169 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU0226R.DOC